



(Translation)

**Delivery No.:** 9-5-2001-018082635  
**Delivery Date:** June 30, 2001  
**Response Deadline:** August 31, 2001

## NOTICE REQUESTING SUBMISSION OF OPINION

- **Applicant(s):** Name: Tokico LTD.
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• **Case:** Patent Application No. 10-1999-0049078

- **For:** Electrodeposited Chromium and Plating Process

The following grounds to reject the above-identified application have been found as a result of examination of this application. If there shall be any argument against this Notice and/or any amendment to this application, the applicant is invited to submit the argument and/or the amendment to this Office by the deadline as noted above. This deadline can be extended on a monthly basis upon request. This Office will not issue any official approval notice, regarding any request for extension.

### GROUND S

The specification, claims and drawings of this application are considered defective for the reasons set forth in the "Remarks" below, and thus violate Article 42, Paragraph 4 of the Patent Law.

The invention claimed in Claims 1 and 8 is considered easily conceivable by one skilled in the art, prior to the filing of the present application, in view of the cited references set forth below. Accordingly, the claimed invention cannot be patented under Article 29, Paragraph 2 of the Patent Law.

### REMARKS

1. It is difficult to clearly understand the claimed invention because the specification contains the following terms which are not technical terms conventionally used in academic documents.  
- "Crystalline particle" of page 9, "work surface" of page 10 and "work," "batch process" and "baking treatment" of page 30.
2. Claims 3-4 define numeral limitations for a size of a crystalline particle on a chrome layer. However, these claims do not specifically limit the upper and lower values for such a size, and thus the subject matter sought to be protected is unclear.
3. Claims 1 and 8 directed to electrodeposited chromium and a plating process are similar in terms of technical constitution to Korean Unexamined Patent Publication No. 96-705966

(1/2)

(November 8, 1996; "Cited Reference 1") relating to electrodeposit of nickel or chromium to iron by applying a pulsed direct current. Although the claimed invention using a chromium plating bath comprising an organic sulfonic-acid is slightly different from Cited Reference 1, it can be easily adopted and conceived from the technical constitution of Japanese Unexamined Patent Publication No. Sho 61-235593 (October 20, 1986; "Cited Reference 2") disclosing the chromium plating liquid comprising organic sulfonic-acid. Therefore, the claimed invention is considered easily conceivable by one skilled in the art, by simply combining the above two cited references.

- Documents Annexed:
1. A copy of Korean Unexamined Patent Publication No. 96-705966 (November 8, 1996)
  2. A copy of Japanese Unexamined Patent Publication No. Sho 61-235593 (October 20, 1986)

This 30th day of June, 2001

**Patent Examiner (sealed)**  
**Examining Board II**  
**Korean Intellectual Property Office**

(2/2)



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Attn: **ISSUE BRANCH**  
Yuichi KOBAYASHI et al. : **Batch No. J34**  
Serial No. 09/431,321 : [Group Art Unit 1712  
Filed November 2, 1999 : Examiner M. Feely]

CHROME PLATED PARTS AND CHROME  
PLATING METHOD

**Match & Return**

**PATENT OFFICE FEE TRANSMITTAL FORM**

Assistant Commissioner for Patents,  
Washington, DC 20231

Sir:

Attached hereto is a check in the amount of \$180.00 to cover Patent Office fees relating to filing the following attached papers:

Information Disclosure Statement . . . . . \$180.00

A duplicate copy of this paper is being submitted for use in the Accounting Division, Office of Finance.

*The Commissioner is authorized to charge any deficiency or to credit any overpayment associated with this communication to Deposit Account No. 23-0975, with the EXCEPTION of deficiencies in fees for multiple dependent claims in new applications.*

Respectfully submitted,

Yuichi KOBAYASHI et al.

By Michael R. Davis  
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THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
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